

IN THE UNITED STATES PATENT AND TRADEMARK OFFICE

Applicant : Robert J. Sicurelli Jr. and Samuel Masyr
Ser. No. : to be assigned
Filed : to be assigned
For : Flexible Post In A Dental Post and Core
System
Art Unit : 3732
Examiner : John J. Wilson

PRELIMINARY AMENDMENT

Commissioner for Patents
Washington, DC 20231

Sir:

This Preliminary Amendment is being filed in connection with the above identified continuation application.

The Commissioner is authorized to charge any fee associated with this communication to deposit account number 23-0120.

Please amend the application as follows:

In the Specification

After the title, please insert, --

This application is a continuation of application serial no. 09/296,159, filed April 21, 1999, which application is a continuation of application serial no. 08/978,867, filed November 28, 1997 now U.S. Patent No. 5,919,044 which application was a continuation-in-part of application serial no. 08/858,615 filed May 20, 1997, now

09590932-42101
TOTAL 22

U.S. Patent No. 5,915,970, which application was a continuation-in-part of application serial no. 08/651,805 filed May 20, 1996, now U.S. Patent No. 5,741,139, which application was a continuation-in-part of application serial no. 08/126,631 filed September 27, 1993, now U.S. Patent No. 5,518,399.

In the Claims

Cancel Claims 1-32.

Please add new Claims 33-61 as follows, which constitutes a clean copy thereof, pursuant to 37 CFR 1.121:

33. An endodontic dental reinforcement post for endodontic and reconstructive pin therapy comprising a prefabricated bundle of non-woven, unstretched and unstressed fibers in a cured resin, said fibers and resin being inelastic and flexible, said post adapted to extend from an apical end to a coronal end of a tooth canal.

34. The dental reinforcement post as in Claim 33 wherein said fibers are fiberglass fibers.

35. The dental reinforcement post as in Claim 34 wherein said fiberglass fibers are E-glass fibers.

36. The dental reinforcement post as in Claim 33

wherein each fiber comprises a plurality of fiber optic filaments.

37. The dental reinforcement post as in Claim 33 wherein said bundle of fibers is about 0.05 inch in diameter.

38. The dental reinforcement post as in Claim 33 further comprising an epoxy binder.

39. The dental reinforcement post as in Claim 38 wherein said epoxy resin further comprises an opaquer composition therein.

40. The dental reinforcement post as in Claim 33 wherein said bundle of fibers have a rounded end.

41. The dental reinforcement post as in Claim 33 wherein said bundle of fibers have a tapered end.

42. The dental reinforcement post as in Claim 33 further comprising at least one surface cut of about 50 to 100 micron depth to increase texturing.

43. The dental reinforcement post as in Claim 33 further comprising at least one facet of about 50 to 100 micron depth to increase texturing.

44. The dental reinforcement post as in Claim 33 further comprising at least one groove of about 50 to 100 micron depth to increase texturing.

45. The dental reinforcement post as in Claim 33 further comprising at least indentation of about 50 to 100 micron depth to increase texturing.

46. The dental reinforcement post as in Claim 42 further comprising at least one axially extending die drawn indentation of 50 to 100 micron depth to increase texturing.

47. The dental reinforcement post as in Claim 42 wherein said texturing is etched with acid.

48. The dental reinforcement post as in Claim 42 wherein said texturing is by sandblasting of said reinforcement member.

49. The dental reinforcement post as in Claim 42 wherein said texturing is by laser light.

50. The dental reinforcement post as in Claim 33 wherein said post is a dental reconstructive pin.

51. The dental reinforcement post as in Claim 50

wherein said dental reconstructive pin is looped.

52. The dental reinforcement post as in Claim 33 wherein said post is polished at one end to direct light axially therethrough.

53. The dental reinforcement post as in Claim 33 wherein said dental reinforcement post comprises a plurality of adjacent coaxially extending dental reinforcement posts.

54. The dental reinforcement post as in Claim 53 wherein each adjacent co-axially extending dental reinforcement post includes at least one axially extending facet abutting a further axially extending facet of a further adjacent coaxially extending dental reinforcement post for locking said plurality of adjacent coaxially extending dental reinforcement posts in position within an interior canal of a tooth.

55. A dental post and core device comprising an inelastic post, said post having a coronal end and an apical end, said post including a prefabricated plurality of non-woven, unstretched and unstressed fibers in a cured resin, said fibers and resin being inelastic and flexible, said fibers extending between the coronal and the apical end of said post.

56. The endodontic dental reinforcement post as in Claim 33 wherein said post has a flexibility closely approximating the flexibility of a tooth structure.

57. The dental post and core inelastic post as in Claim 55 wherein said post has a flexibility closely approximating the flexibility of a tooth structure.

58. The endodontic dental reinforcement post as in Claim 33 wherein said post is cylindrical.

59. The dental post and core inelastic post as in Claim 33 wherein said post is tapered.

60. The endodontic dental reinforcement post as in Claim 55 wherein said post is cylindrical.

61. The dental post and core inelastic post as in Claim 55 wherein said post is tapered.

REMARKS

First, Applicant thanks the Examiner for the courteous Interview in connection with the prior parent application filed under serial no. 09/296,159, of which this application is a continuation.

The application filed serial number 09/296,159 is pending and not abandoned. However, due to the unforeseen delays in the Patent Office due to the events related to September 11, 2001, in order not to abandon the Applicants' subject matter of prior application serial no. 09/296,159, this continuation application is filed herein.

In connection with the above identified continuation application, Applicants cancel Claims 1-32 and substitute new Claims 33-61.

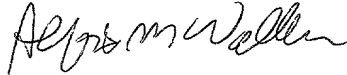
A terminal disclaimer is filed herein with respect to Applicant's earlier patent nos. 5,741,139, 5,915,970 and 5,919,044.

In view of the foregoing, it is urged that the pending Claims 33-61 in their present form should be allowed. These Claims are the same as in a Rule 116 Amendment filed under serial no. 09/296,159, which Claims have not yet been allowed in connection with the Final Office Action of May 22, 2001.

The Examiner should call the undersigned in the event other changes are required to obtain allowance of the application.

A favorable action is solicited.

Respectfully submitted,



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Pat 6 preliminary Amendment 159A-11-21-01

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Dated: November 21, 2001


Alfred M. Walker

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